mingled with the *Spirit of Wine*, a little Spirit of *Sal Armoniack*, made (as I have elſewhere delivered) by the help of *Quick-lime*: which Spirit I chooſe, becauſe, though it abounds in a Salt not Sowre, but Urinous, yet I never obſerved it (how ſtrong ſoever I made it) to coagulate Spirit of Wine. The *other* circumſtance is, that I uſually found it convenient, to let the little *Animals*, (I meant to imbalme, lie for a little while in ordinary Spirit of Wine, to waſh off the looſer filth, that is wont to adhere to the Chick, when taken out of the Egge; and then, having put either the ſame kind of Spirit, or better upon the ſame Bird, I ſuffer'd it to ſoak ſome hours (perhaps ſome daies, *pro re nata*) therein, that the Liquor, having drawn as it were what Tincture it could, the *Fœtus* being remov'd into more pure and well dephlegm'd Spirit of Wine, might not diſcolour it, but leave it almoſt as limpid, as before it was put in.

In the uſefulneſs of Experimental Philoſophy.

An Extract

Of a Letter, ſent lately to Sir Robert Moray *out of* Virginia, *concerning an* unuſual *way of propagating* Mulberry trees *there, for the better improvement of the* Silk-Work; *together with ſome other particulars, tending to the good of that* Plantation.

I am diſappointed at this time of ſome Rarities of Minerals, Mettals, and Stones; but you may have them any other time, as conveniently, *&c.* I have planted here already ten thouſand *Mulberry trees*; and hope, within two or three years, to reap good ſilk of them. I have planted them in a way unuſual here, which advances them two or three years growth, in reſpect of their being ſown in ſeed: And they are now, at writing hereof all holding good, although this has been a very long and bitter winter with us, much longer and colder, than ever I did find it in *Scotland* or *England*. I intend likewiſe to plant

them all, as if they were *Currants* or *Goos-berries*, ſo thick as hedges; whereby one man may gather as many of them, as otherwiſe, when they are planted in trees at diſtance, four perſons may do. Expedient is the benefit of this Trade Having diſcourſed of this new way to all here; they are generally inclinable to it; conſidering that the Planting their Trees, as before, at diſtance, and letting them grow high, has been the main obſtruction of that work hitherto, and the loſs of their time and gain: but being in hedges, they will be always young tender plants; and conſequently will be eaſily cut in great quantites with a pair of Garden Sizzers. But there may be ſuggeſted yet another, and perhaps a better way; which is, to ſowe ſome Acres with *Mulberry ſeed*, and to cut it with a ſith, and ever to keep it under. I have alſo bethought my ſelf of a new way, for a few hands to ſerve many Worms, and that more cleanly than before: which alſo will be a means, without more trouble or pains, to ſeparate unhealthy worms from healthful; and by which a great many more may be kept in a room, than otherwiſe upon ſhelves, as is uſual here. Beſides this, I have ſown a little *French Barley* and *Rice ſeed*, and am thinking on a way of un-husking them with expedition, and ſo preparing them for the Merchant, as they uſe to be: But if you can inform me, how they are prepared, you may ſaye me ſome labour. If I had any *Coffee* in husks, or any other vegetable commodity, from the Streights to try, I would here make tryal with them. Its like, that ſome of thoſe Merchants that are of your *Society*, and keep a Correſpondency there, may aſſiſt in procuring them. By the latter ſhips I intend to ſend you a New ſort of ſweet ſented *Tobacco*, which I have not yet had time to improve.

A Method, by which a Glaſs of a ſmall Plano-convex Sphere may be made to refract the Rayes of light to a Focus *of a far greater diſtance, than is uſual.*

This is propoſeded by Mr. *Hook*, in conſequence of what was men-